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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,255	09/19/2003	Michael A. Niemiro	920047-94540	1143
23644	7590 02/07/2005		EXAM	INER
BARNES & THORNBURG			DEVORE, PETER T	
P.O. BOX 278	6			
CHICAGO, II	L 60690-2786		ART UNIT	PAPER NUMBER
			3751	-

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/667,255	NIERNIRO ET AL.	ED			
Office Action Summary	Examiner	Art Unit				
	Peter T deVore	3751				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet wi	th the correspondence address	s			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a ri - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply within the statutory minimum of thirty of will apply and will expire SIX (6) MON tute, cause the application to become AB.	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this commur ANDONED (35 U.S.C. § 133).	nication.			
Status						
1)⊠ Responsive to communication(s) filed on <u>18</u>	January 2005.					
	nis action is non-final.					
3) Since this application is in condition for allow closed in accordance with the practice unde	·		rits is			
Disposition of Claims						
 4) Claim(s) 1-10 is/are pending in the application 4a) Of the above claim(s) 5 is/are withdrawn 5) Claim(s) is/are allowed. 6) Claim(s) 1 is/are rejected. 7) Claim(s) 2-4 and 6-10 is/are objected to. 8) Claim(s) are subject to restriction and 	from consideration.					
Application Papers		•				
9)☐ The specification is objected to by the Exami	ner.					
0) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreit a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a life.	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stag	je			
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413) s)/Mail Date				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>9/23/04</u>. 		nformal Patent Application (PTO-152)			

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DETAILED ACTION

Drawings

The drawing objection is withdrawn as the plunger valve is shown in the drawings (and described in the specification) of related provisional application 60/412,509.

However, should the present application be allowed including a claim or claims directed to the plunger valve, the Applicant will be required to amend the drawings (and the specification as necessary) to bodily incorporate the plunger valve as disclosed and shown in the provisional application.

Election/Restrictions

Applicant's election with traverse of Species 1, claims 1-4 and 6-10 in the reply filed on 1/18/05 is acknowledged. The traversal is on the ground(s) that bistable valves of both the lever and plunger type are known. This is not found persuasive because specific features of at least the lever valve are specifically claimed in Applicant's dependent claims, and also the two type of valves have widely varying configurations, actuators, and uses in the prior art.

The requirement is still deemed proper and is therefore made FINAL. Claim 5 is thus withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Loe.

The Loe reference discloses a system comprising a signal controller which coverts a unipolar signal to a bipolar signal (see col. 4, lines 1-6), and a magnetically actuated valve controlled by the controller (see col. 1, lines 13-19).

Allowable Subject Matter

Claims 2-4 and 6-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Abe reference discloses an apparatus for converting a unipolar signal to a bipolar signal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter T deVore whose telephone number is (571) 272-4884. The examiner can normally be reached on Monday to Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pd //

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